**COLD DB BACKUP AND RECOVERY**

1. Backup is a copy of original data which will be used to recover databases

2. If the data is reproducible and backup not existing, still we can recover the data. But it is a tedious and time consuming task

3. Taking backup after shutting down the database is called cold backup and because no transactions exist, the backup will be consistent

4. In real time, we will perform cold backup very rarely

**STEPS to take cold backup**

SQL> select name from v$datafile;

SQL> select member from v$logfile;

SQL> select name from v$controlfile;

SQL> shutdown immediate

[oracle@server1 ~]$ mkdir /u03/coldbkp

[oracle@server1 ~]$ cp /datafiles/prod/\*.dbf /u03/coldbkp

[oracle@server1 ~]$ cp /datafiles/prod/\*.log /u03/coldbkp

[oracle@server1 ~]$ cp /datafiles/prod/\*.ctl /u03/coldbkp

[oracle@server1 ~]$ cp $ORACLE\_HOME/dbs/\*.ora /u03/coldbkp

[oracle@server1 ~]$ sqlplus "/ as sysdba"

SQL> startup

SQL> alter database backup controlfile to trace;

**Note:** archives are not required to take back up with cold backup

**STEPS to recover datafile in a noarchivelog mode database**

SQL> shutdown immediate

SQL> !cp /u03/coldbkp/\*.dbf /datafiles/prod

SQL> !cp /u03/coldbkp/\*.ctl /datafiles/prod

SQL> !cp /u03/coldbkp/\*.log /datafiles/prod

SQL>startup

**STEPS to recover redologfile in a noarchivelog mode database**

SQL> shutdown immediate

SQL> !cp /u03/coldbkp/\*.dbf /datafiles/prod

SQL> !cp /u03/coldbkp/\*.ctl /datafiles/prod

SQL> recover database until cancel;

SQL> alter database open resetlogs;

**STEPS to recover controlfile in a noarchivelog mode database**

SQL> shutdown immediate

SQL> !cp /u03/coldbkp/\*.ctl /datafiles/prod

SQL> startup mount

SQL> recover database using backup controlfile until cancel;

SQL> alter database open resetlogs;